

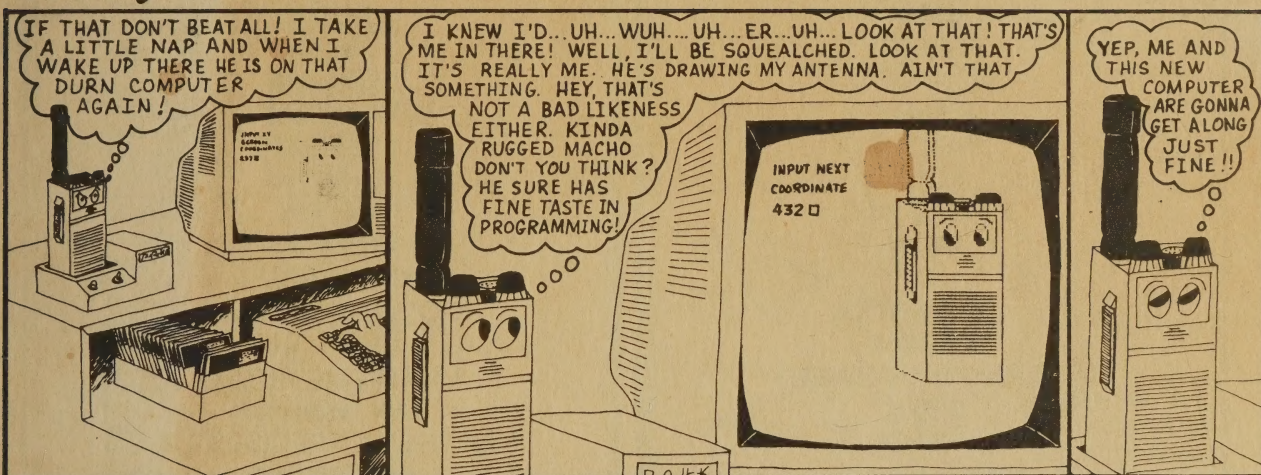
AUTO-CALL

Official Journal of the Foundation for Amateur Radio

Dec.
1985



Stubby by Fred Hurteau, WD4SKH



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AUTO-CALL

Official Journal of the Foundation for Amateur Radio



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Dear Readers:

The late Vic Clark, W4KFC, wrote a column for Auto-Call between 1979-1980, prior to his becoming President of the ARRL. In his column, Vic commented on various operating techniques, and gave his readers a little of his philosophy of what made Amateur Radio such a great service.

It has now been more than five years since these columns were printed. Auto-Call will be reprinting these articles over the next several months. I hope you enjoy them.

Beginning next month, Auto-Call will begin a Silent Key Column. If any member of your club has become a Silent Key recently, please notify Auto-Call and enclose an Obituary if possible.

The Foundation For Amateur Radio is looking for speakers that it can include on its speakers list to give to its member club. If anyone in your club can speak knowledgeably concerning various amateur radio related topics please contact Phil Russo at (301) 441-1946.

Auto-Call has had a problem with too much blank space at the bottom of some of its pages. After a discussion with our printer, Auto-Call will switch from a 8½ by 11" format to a 8½ by 12" format. Thus, our advertisers and columnists should please try to submit their material on a 8½ by 12" size, if possible

73

Phil "Pip" Sager, WB4FDT, Editor
1829 Stanley Place
Falls Church, Va 22043

Auto-Call has a circulation of 1000 copies entered as third class non-profit matter at the post office at Arlington, Va. Rates are \$6.00 yearly. Deadline for all copy is the 8th of the month previous to publication. Subscriptions received by the 15th of the month will start with the following month.

"HOW AMATEUR RADIO HELPED ME"

By Vic Clark, W4KFC

One of the interesting disclosures of the ARRL Long Range Planning Committee's survey of amateur attitudes is the extent to which participation in amateur radio activities yields vocational benefits.

Some 52% of the respondents to that survey reported that amateur radio has been useful to them in their careers, half that number specifying that it had been very helpful. Even amateurs who are not employed in any branch of electronics or communications report that they have derived benefit from their amateur experience.

Yet there exists little awareness of this important social contribution by amateur radio on the part of either the general public or those in government who influence the destiny of amateur radio.

A recent report to ARRL's Board of Directors by the Long Range Planning Committee says:

"One of the most significant societal contributions of radio amateurs is their vocational effectiveness which, for electronics-oriented occupations in particular, is greatly enhanced by experience gained through the medium of amateur radio. Yet there have been few attempts to quantify or lay claim to this fact on behalf of the amateur radio service.... These benefits are well understood by radio amateurs themselves, but are little known to others, many of whom tend to equate amateur radio with CB or casual tinkering."

The report also contains this warning:

"Amateur radio must rid itself of the image of 'boys in the basement playing with radio' (cited by one delegate to the recent World Radio Conference) by emphasizing that such 'boys,' aided by their amateur radio experience, move on to become pillars of society; moreover, their interest in amateur radio continues into later life."

One can suspect that our failure to publicize the way in which amateur radio helps many of us in our careers is because of modesty about our own accomplishments. Or perhaps we like to think that "we did it all by ourselves." Reflecting back on my own vocational experience, it is clear to me that what I learned from amateur radio and through my associations and activities with other radio amateurs surpassed in value the vocational knowledge gained in the course of a college education. This is not to say that one replaces the other, but together they have served me well.

No university course of which I am aware provides the wealth of real world experience with the field of radio communications to which the average radio amateur is privy. As a supervisor of hundreds of communications electronics technician and engineering personnel, over three decades of professional involvement, the extra benefits of amateur radio experience among the work-force have become abundantly clear to me. Other factors being equal, the radio amateur often is head and shoulders above his non-amateur counterpart, particularly in his perception of practicality and his ability to innovate and improvise. I believe it can be claimed, too, that radio amateurs in the professional world communicate more easily with one another than their non-amateur colleagues. On more than one occasion I have seen impassés in professional committee discussion melt away when the radio amateurs present began to communicate.

"How Amateur Radio Helped Me"

continued

How has amateur radio helped me? Or, more to the point, how did it help me make some kind of a contribution to society? Well, I suppose most everyone by now has ridden on a commercial air liner, and probably a fairly high percentage of our mobile society, by this time, has experienced a so-called blind landing. I like to think that instrument landings by commercial aircraft have been made a little bit better and safer as the result of what I was able to learn through my experience as a radio amateur. In my own case, I was active in the group that designed, developed specifications for, inspected tested and installed all of the airport instrument landing equipment placed in service at 150 major airports in this country during the first ten years in the history of that program. Much of this equipment is still in place and providing service, for it was designed to be reliable and built to last. My title during those years was Chief, Instrument Landing Branch, of the Civil Aeronautics Administration (later, the Federal Aviation Agency).

It is clear to me in retrospect that much of what I was able to accomplish in that job derived from experience gained as a radio amateur and my ready access to the knowledge of other amateurs. More importantly, in this group were many enthusiastic radio amateurs -- some of them lacking any college training in electronics -- whose technical contributions were instrumental in insuring the success of the program. In fairness, I should report that there also were a number of non-amateurs who made outstanding contributions to the program; but I sensed on the part of many of them a wistfulness that they also had not become involved in amateur radio and, indeed, many of them subsequently became amateurs.

I think it would be interesting to hear about how amateur radio has helped you, or is currently helping you in your field of endeavor. At the same time, perhaps it would be possible for us to contribute to a greater awareness of the usefulness of this great avocation as a source of personal training and experience. We need to publicize this little-recognized aspect of amateur radio, for it is surely one of the reasons for having an amateur radio service.

Anyone out there agree? Has amateur radio helped you? How? Won't you drop me a line and tell me about it; then, perhaps we can share some of this information in subsequent issues.

Vic Clark, W4KFC

SILENT KEYS

N4CAW	Ardith Shorter, Waynesboro, Va
N3CYS	George Legge, Ft. Washington, Md
W4BVV	Tom Peruzzi, Jr
W4JUJ	Charles Justice, Richmond, Va
WB4UOI	Mac Crush, Richmond, Va

KEEPING IN TOUCH

By Vic Clark, W4KFC

Radio amateurs are a curious lot. They thrive on friendship, as do ordinary mortals, but pursue a pastime that, to outsiders, appears reclusive.

Much of their time is spent in the silent and solitary business of studying the manuals and journals, erecting antennas, assembling, modifying and repairing equipment, and checking it out. But it is all for the ultimate purpose of reaching out and touching others through the medium of radio. In the process they may even establish a personality that differs in some respects from the one projected on personal contact. The heft and quality of their signal, their operating methods and habits, what they say and how they say it, all play a part in how they appear to others on the air.

In earlier times, when transportation was limited, folks used to know their neighbors and rely upon them for social contact and exchanges of services. They were forced by circumstances into a personal relationship with those immediately about them. The alternatives were to become a hermit or abandon the old home town.

But look where the automobile and telephone have brought us. Most folks today hardly know their neighbors. These days they are more apt to reach into other neighborhoods for those with whom they would associate and become friends. In this way, presumably, it is possible to be more selective in developing compatible relationships, seeking out those who share our interests, beliefs and involvements. But we hams have it even better. We are able to shop around the whole country, indeed, the world, for kindred spirits...and that's just about the way it works.

"But," one may ask, "do contacts by radio provide a practical basis for making friends?" After all, when you've never seen a person, cannot appraise his manner of dress or personal conduct, how is it possible to establish a level of rapport that qualifies as friendship? An outsider would conclude that claiming friendship with the owner of a disembodied voice from afar (let alone a c.w. fist!) is stretching a point.

Most hams know better.

Assuming that you have been a radio amateur for a few years, how many of your friends were first encountered over the air? Or, assuming that your first encounter was a personal one at a club meeting or elsewhere, how many of your friendships have ripened and deepened through the medium of on the air contact? Quite a few, we'll wager.

As the years roll by, active amateurs develop an impressive coterie of friends and acquaintances among the faithful. Radio amateurs possess the ultimate mechanism with which to continue these relationships, for they are able, through both deliberate and chance contact, to refresh and update them without the need either for writing a letter or leaving their homes. Moreover, this possibility of continued contact through the years remains alive in spite of changes in address, employment and personal fortune, sustained through the mutual interest in amateur radio. What a priceless resource! We take it for granted, yet, deep down, most amateurs recognize that we are privileged participants in an activity that is unique in the human experience.

Some pundit once said: "Old friends are the only irreplaceable resource the world has to offer." If you buy that logic, then it follows that hams are better off than most folks, for we have a superior means for establishing and maintaining friendships. With us, the chance encounter with old friends can become almost an everyday occurrence. (continued next page)

(continued)

My own hamhood has produced many examples. I can recall my first contact with Ed Redington, W4AM, perhaps thirty years ago when I was out on Field Day and he was at home in Connecticut looking for a ragchew. I wheedled a FD contact out of him and, by that simple act, a personal friendship was launched that lasted until Ed became a Silent Key two years ago. Old Lenny Chertok, W3GRF, and I first chatted by c.w. when we were boys (and both had hair!) across the miles from Phoenix to Philadelphia, commencing a close friendship initially sight unseen, that lasts to this day. My first encounter with Ethel Smith, K4LMB, was a QSO when she was 18 and signing W7FWB in the state of Washington back before World War II . . . long before she pioneered the founding of YLRL. And how many of today's solid citizens of amateur radio I have had the pleasure of first contacting while they were still novices, struggling with the code! Among my treasurers is a "Short Wave Listener" card received from little Johnnie Swafford who heard my signals all the way out in Kansas back when I was a teenager. John is better known today as W4HU, a good friend and prominent member of the U.S. Dept. of State Amateur Radio Club. And these are by no means isolated examples.

But what about you?

Do you have any interesting stories about friendships made through the medium of amateur radio contact? If you are an active amateur, you most certainly do. How about sharing one or two of them with us?

CORRESPONDENCE

73 -- Vic Clark, W4KFC

(The following is an excerpt from a letter on the subject of "Keeping in Touch," which appeared in the August 1981 issue of AUTO-CALL.)

"I've been meaning to write you concerning my thoughts on friendship and amateur radio, in regard to your recent Auto-Call article. I guess of my ten 'closest' friends, all but one are licensed amateurs. Of what I know of their friends, nearly all of them are amateurs also. I'm a member of the Masons, the Lions and various Jewish groups and have met and know a large number of men socially, but none of them I would call a close friend.

"Amateur radio people just naturally gravitate toward one another. They have so much in common. They have, after much difficulty, all passed various FCC exams. They have struggled through their first Novice QSO, worked DX, repaired or built various equipment, put up antennas, experimented with low power, high power, different frequencies, different emissions -- why the list is endless. There is so much diversity in amateur radio, and nearly every licensed amateur, regardless of whether or not he is involved in that activity, wants to have some working knowledge and understanding of all of amateur radio's different activities.

"There is so much to do and learn in Amateur Radio, and the state of the art is constantly changing, that one could never 'do it all' in the hobby, if one calls it a 'hobby.' There is always something new to learn, or another new country to work, or one more message to relay or deliver, or one more QSO before going to work in the morning. In my opinion, this is what makes Amateur Radio great.

"For example, as a teenager if I didn't have a Saturday night date, I didn't worry about it. I was too busy on traffic nets, contests and DXing. (As a teenager, I was always fascinated with operating CW because on CW, no one knew how old I was, thus I was always treated like an adult -- something that our society does not do with 15 years olds.

"Because amateurs have so much in common, their relationships with other amateurs tend to be deeper and more personal (and less social) than those friendships that non-amateurs have."

QUESTIONS MOST OFTEN ASKED ABOUT SHUTTLE RETRANSMISSIONS

Over the months, thousands of listeners have asked many questions regarding our and other NASA center's efforts to retransmit shuttle audio. The following questions and answers will help explain some of these facts to you.

1) What frequencies does the Goddard Amateur Radio Club (GARC) transmit on and what is our operating schedule?

Answer: Our operations include SSB operations on 3860kHz, 7185 kHz, 14,295 kHz, 21,390kHz, 28,650 kHz (sometimes) and 147.45 FM Simplex.

Approximate Operation Schedule is:

3860 kHz	Nights (6pm-10am)
7185 kHz	Days (8am-6pm)
14,295 kHz	Whenever on the air
21,390 kHz	Sometimes
28,650 kHz	Sometimes

This is not a strict schedule, listen to shuttle rebroadcasts for updates.

2) Are we always transmitting?

Answer: GARC transmits only when we have operators and when the astronauts are awake. There are many blackout periods where the astronauts don't talk to the ground, so there can be periods up to 30 minutes where no on-the-air discussions can be heard.

3) Do other NASA Center Radio Clubs transmit shuttle audio?

Answer: No other NASA club transmits shuttle voice on H.F. on a regular basis. The Johnson ARC transmit audio on their local repeater and sometimes on H.F. The Marshall ARC transmits on their 2M repeater, the JPL ARC transmits locally on 220 MHz and the Kennedy ARC transmits locally on 2M and sometimes through Oscar 10 in the FM mode.

4) What is the usual sleep period for shuttle astronauts?

Answer: If the flight is launched near 8 am EST, the astronaut sleep period is typically from 7pm EST-3am EST. If it is a Spacelab mission, the astronauts are on a 24 hour rotating schedule. Remember, GARC is off the air during the astronaut sleep periods.

5) Does the club transmit shuttle audio during DOD missions?

Answer: No.

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Volunteer examination by Richmond RARC on Saturday, January 11. Send completed Form 610, photocopy of present license & \$4.00 fee payable to ARRL/VEC to Mac Crush, 9302 Ledbury Rd. Richmond, VA 23229. Limited number of walk-ins accepted. Cut-off date: Dec. 11, 1985.

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- ★ Paid up flea market reservations accepted until December 31, 1985.
- ★ Building available for set-up from 2:00 P.M. until 11:00 P.M. on Saturday. Will re-open at 6:00 A.M. Sunday for set-up. Vehicles must vacate building by 8:15 A.M. Sunday. Armed security at all times.
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FCC Highlights

Bill Grenfell, W4GF

AMATEUR RADIO OPERATORS CAN BE VERY PROUD OF THEIR PERFORMANCE DURING THE RECENT MEXICO CITY EARTHQUAKE. Many people learned for the first time about the volunteer communications traditionally provided by Radio Amateurs during such disasters. Much of this recognition was due to a number of retransmissions of the Amateur communications by broadcast stations. In its BC Docket 79-47 Report and Order last June, FCC said "The Commission's Rules generally permit rebroadcasts of transmissions of stations in non-broadcast radio services,..." In the Order, FCC revised Section 97.113 of the Amateur rules which is titled "Broadcasting and broadcast related activities prohibited." and which reads, in part, as follows: "(b) An amateur station may not be used for any activity related to program production or news gathering for broadcast purposes." In the discussion of the rulemaking, in paragraphs 21 and 22, the Commission said: "21....Emergency communications are listed as an exception to the provisions of new Section 97.113. "22. We note that a rule of reason applies when interpreting this emergency exception to the broadcast prohibitions in the amateur radio service. "Thus, conveying news information directly relating to an unforeseen event which involves the safety of human life or the immediate protection of property falls within this rule of reason, if it cannot be transmitted by any means other than amateur radio because of the remote location of the originating transmission or because normal communications have been disrupted by earthquake, fire, flood, tornado, hurricane, severe storm or national emergency...." Many Amateurs were surprised and angry at the news gathering activity by the broadcast and print "media" especially when it was stretched far beyond the intent of FCC's "rule of reason". For example, the 10/04/85 issue of Westlink Report states that WB6NOA reported that "...newscasters were using ham radio for such purposes as setting up crew logistics and even discussing union crew pay scales; all this while refusing to handle health and welfare traffic into and out of the disaster zone."

THE ARRL HAS PETITIONED FCC FOR PARTIAL RECONSIDERATION OF ITS ACTION IN BC DOCKET 79-47 REQUESTING THAT THE OLD DEFINITION OF EMERGENCY COMMUNICATIONS,

OR ONE LESS RESTRICTIVE THAN THE FORMER, SHOULD BE ADOPTED. Old Rule Section 97.3(w) defined emergency communications as "Any amateur radio communication directly relating to the immediate safety of life of individuals or the immediate protection of property. New 97.3(w) reads: "Emergency communication. A non-directed request for help or a distress signal directly relating to the immediate safety of human life or the immediate protection of property." The League said the "rule of reason" noted in the Report and Order (see preceding paragraph) is no substitute in this instance for a rule which is sufficiently broad on its face to allow amateurs the flexibility to exercise their own demonstrated reasonableness in emergency communications situations.

FCC HAS ANNOUNCED THAT A LIMITED AMATEUR THIRD PARTY COMMUNICATIONS AGREEMENT HAS BEEN CONCLUDED WITH THE UNITED KINGDOM, EFFECTIVE OCTOBER 14, 1985. It applies ONLY to U.K. special events stations using the GB prefix. However, GB3 prefix stations are excluded. The major first use was the Scout Jamboree on the Air the weekend of October 19-20.

FCC REPORTS THAT "PIRATE" RADIO OPERATIONS HAVE BEEN IDENTIFIED, THROUGH ITS LONG DISTANCE DIRECTION FINDING SYSTEM, NEAR THESE CITIES: Richmond, Staunton and Charlottesville, VA; Youngstown, OH; Miami and Orlando, FL; Minneapolis, MN, Washington, DC; Louisville, KY; Waterbury, CT; Newark, DE; Grand Rapids and Lansing MI; San Francisco, CA; Arkansas City, KS, and Fort Smith, AR. Persons having information that would assist FCC in its effort to locate pirate radio stations should contact: Engineer in Charge, FCC, P.O. Box 1588, Grande Island, NE 68802-1588, 'phone (308) 382-4296. (ARRL Letter, 10/10/85).

EDITIONS OF FCC AMATEUR LICENSE APPLICATION FORM 610 BEARING A DATE PRIOR TO JUNE 1984 WILL NO LONGER BE ACCEPTABLE BY FCC IN 1986. Applying on the earlier editions will result in return of the application without action. The new 1985 edition of the 610 eliminates some of the information previously required from Volunteer Examiners. The release date of the new 610 was not known at the time this was written.

FCC Highlights

BOTH THE UNITED STATES SENATE AND HOUSE VERSIONS OF A PROPOSED FCC LICENSE FEE SCHEDULE EXCLUDE COLLECTING FEES FROM RADIO AMATEURS writes K3ZJ (in Westlink Report, 10/18/85). "This was done in recognition of the public service performed by radio amateurs at no cost to the government, coupled with the fact that a 'fair' fee for services rendered, which would be in the \$5 - \$10 range, would be so low that it would cost as much to collect and keep track of as the fee itself." (K3ZJ). He goes on to point out that there is a considerable administrative expense to FCC for its rule-making and enforcement activity for the amateur service, as well as for application processing.

ARRL'S COMMENTS ON THE REPEATER COORDINATION DOCKET PR 85-22, FILED AUGUST 15, ARE SUMMARIZED AS FOLLOWS: 1) Coordinated repeaters should have preferred status in

instances of harmful repeater to repeater interference; 2) Frequency coordination should be strongly urged for repeater or auxiliary operation in any area served by a frequency coordinator; 3) The FCC should not consider alternatives to frequency coordination nor mandate methods of coordination; 4) The use of modern technological innovations, such as those cited in the NPRM, should be encouraged, but not substituted for frequency coordination; 5) The FCC should not recognize a single entity, such as a National Frequency Coordinator, for amateur repeater operation. Such coordination activities should be performed by local or regional frequency coordinators with appropriate support to these coordinators to be provided by the ARRL; 6) The scope of frequency coordination should include all Amateur Radio stations in repeater or auxiliary operation; 7) Consideration of the procedural framework within which frequency coordinators are recognized and conduct their operations should be subject to a future FCC proceeding.

"THE FCC IS READY TO BACK THE ACTIONS OF ALL THE REPEATER COUNCILS IN THE NATION, BUT FIRST IT MUST ASCERTAIN WITH TOTAL ACCURACY WHO THESE COUNCILS ARE. "This was the gist of remarks made by FCC Special Services Bureau Chief Raymond Kowalski during a Repeater Coordination Forum at the recent ARRL National Convention in Louisville, Kentucky. "Since

there is no single entity willing to become a national 'clearing house' of repeater coordinators, Kowalski has requested that already existing, recognized and operating local coordination groups band together into unified regional bodies for the purpose of certifying valid coordinators to the Commission..." (Westlink Report, 10/18/85).

AS A RESULT OF FCC'S JULY 12, 1985 SHOW CAUSE ORDER FOR MALICIOUS INTERFERENCE AND OTHER RULE VIOLATIONS, LAWRENCE KACZMARCZYK, LICENSEE OF W3UQW, HAS SUBMITTED HIS AMATEUR STATION LICENSE FOR CANCELLATION AND HIS OPERATOR LICENSE FOR SUSPENSION FOR A ONE-YEAR TERM BEGINNING OCTOBER 18, 1985. He may file for re-licensing in one year from that date. In addition to malicious interference to

other amateurs in the two meter band (Section 97.125), he was charged with violation of 97.113 (Broadcasting prohibited), 97.115 (Music prohibited), 97.84 (Station identification), and 97.123 (Unidentified communications).

FCC HAS RECEIVED A PETITION TO EXPAND AMATEUR USE OF THE 902 - 928 MHz BAND TO INCLUDE F8E EMISSION (Frequency modulation - two or more channels of analog information - telephony).

IDENTICAL BILLS, S-1667 AND H.R.3378, WHICH WERE RECENTLY INTRODUCED INTO THE U.S. SENATE AND HOUSE TO AMEND THE WIRE-TAP ACT OF 1968, HAVE THE PURPOSE OF PROTECTING THE PRIVACY OF DATA BANKS, CELLULAR AND CORDLESS TELEPHONES AND THE PREVENTION OF WIRETAPPING. Amateur radio transmissions would be exempt.

PART 90 OF FCC'S RULES HAS BEEN AMENDED "TO IMPLEMENT THE 1900-2000 kHz FREQUENCY BAND IN THE RADIOLOCATION SERVICE." (PR docket 84-874, by Report and Order adopted October 28 by the Commission).

FCC ISSUED OPERATING PERMITS TO THE GERMAN AMATEURS WHO FLEW THE SPACELAB D-1 MISSION 61A LAUNCHED LATE IN OCTOBER. The permits authorized privileges consistent with those in Germany, but not in excess of those of the Extra Class license. The letter of authorization ended with: "Thus it would seem once again amateur radio is poised for worldwide exposure." (Westlink report, 10/18/85).

FCC HAS ANNOUNCED THAT THE 1986 MAXIMUM REIMBURSEMENT ALLOWED FOR AN AMATEUR VOLUNTEER ADMINISTERED EXAMINATION IS: \$4.29.

PROponents OF THE USE OF DOUBLE SIDEBAND AMPLITUDE MODULATED AMATEUR TELEPHONY LOST A COURT BATTLE IN WHICH THEY MAINTAINED FCC'S ACTION IN DOCKET PR 82-624, LIMITING STATION POWER TO 1500 WATTS PEAK ENVELOPE OUTPUT, WAS UNFAIR AND ARBITRARY. They are allowed to continue operating (with A3 emission) using 1000 watts dc input power until June 1, 1990. (Rule Section 97.67(f)). "...the Federal Appellate Court ruled that the FCC has the right to make rules governing a given service, that the terms of the Administrative Procedures Act had been followed, and that the Commission could go ahead with its rule change." (Westlink Report, 11/01/85).

IT APPEARS THERE IS REAL SUBSTANCE TO THE NEWS REPORT THAT A "HAM" OPERATOR REVEALED HEARING AN UNSCRAMBLED TWO-WAY CONVERSATION BETWEEN DEFENSE SECRETARY WEINBERGER AND PRESIDENT REAGAN ABOUT INTERCEPTING THE JET CARRYING THE PALESTINIAN TERRORIST HIJACKERS OF THE ITALIAN CRUISE SHIP. An unidentified NY Times reporter confirmed to the ARRL Public Information Office "...that the individual who overheard and divulged the information to the media was a licensed radio amateur living in the Chicago area, but declined to identify the ham by name to protect his information source." "If his identity is discovered, he could be liable for severe criminal penalties." (Westlink Report, 11/01/85).

OPERATION ON 14349.0 kHz ON SSB IS TOO CLOSE TO THE BAND EDGE, AND CAUSED ISSUANCE OF AN FCC NOTICE OF VIOLATION TO AN AMATEUR WHO WAS HEARD OPERATING THERE. To quote the issuing officer, "For an upper sideband emission, a carrier frequency greater than 14347.2 kHz should not be used." (Westlink Report, 11/01/85).

IN RESPONSE TO A PETITION FROM THE ARRL, FCC HAS REQUIRED ITS REGION 3 U.S. INTERNATIONAL BROADCAST STATION LICENSEES OPERATING IN THE 7.1-7.3 MHz TO PROVIDE MORE PROTECTION FROM INTERFERENCE TO RADIO AMATEURS IN REGION 2. The effect is to limit radiation toward Region 2 during the hours of 0800 to 1600 UTC to that which would occur from a half wave dipole at the same height. (by FCC Order, 10/09/85).

OPERATION OF AN UNLICENSED "PIRATE" RADIO STATION WAS CLOSED AUGUST 19, 1985 BY U.S. MARSHALS AND FCC'S DALLAS OFFICE INVESTIGATOR WHO SERVED A WARRANT AND SEIZED THE RADIO EQUIPMENT AT THE HOME OF THE BOONESVILLE, AR OPERATOR. He had been operating on various frequencies in the 6MHz SW broadcast band and in the vicinity of the 7MHz amateur band. As a result, he has paid a \$1,000 administrative fine. Another 7MHz pirate broadcast station was located near St. Louis, MO on August 9, 1985 and the operator was issued a \$1,000 Notice of Apparent Liability for his unlicensed operation. In addition to administrative fines, pirate station operators are subject to prosecution in U.S. District Court, and loss of any FCC license they may hold. (ARRL Letter,

AMATEUR LICENSE STATISTICS, BY CLASS OF LICENSE:

Class	July 30	August 30	Sept. 24
Extra	37,548	37,793	37,968
Advanced	97,565	97,759*	97,825
General	116,812	117,189	117,340
Technician	82,389	82,867	83,117
Novice	75,973	75,972	76,337
Operators	410,287	411,580	412,587
Club Stns.	2,268	2,266	2,262
Mil. Rec.	165	166	165
RACES	359	357	354
Total Stns.	413,079	414,369	415,368

*This figure was in error in last month's Highlights.

MONTHLY ACTIVITY:

Licenses	July	August	Sept. 24
New Novice	1,268	1,147	751
All New	1,431	1,297	862
Upgrades:			
to Tech.	888	750	468
to General	452	545	345
to Advanced	403	402	263
to Extra	307	255	171
Total Upgrades	2,050	1,952	1,247

(NOTE that the September figures are not for a full month)

FCC STATISTICS ON THE AGE OF LICENSEES BY CLASS As its sample, the Commission used data taken from all licenses issued, modified, upgraded or renewed during April, 1985. The average, by license class is shown in the following table:

Novice	38.5 years	
Technician	45.1	"
AVERAGE	46.08	"
Extra	47.3	"
General	50.0	"
Advanced	51.8	"
		13

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CONTACT

PERSON: _____

CALL SIGN: _____

BUSINESS PHONE: _____

HOME PHONE: _____

STREET ADDRESS: _____

CITY: _____

STATE: _____

ZIP: _____

NUMBER OF TABLES: _____

UPSTAIRS (yes, no)

DOWNSTAIRS (yes, no)

CIRCLE

CIRCLE

Money Enclosed: \$ _____

Send to:

Gene Jenkins N4JEE
10802 Norman Avenue
Fairfax, VA 22180



PUBLIC SERVICE REPORT

SCHOOL BUS ACCIDENT

Most readers probably noticed the recent headlines in the Fairfax Journal about the School bus wreck in Great Falls on October 22. What you probably don't know is that this accident resulted in the activation of the Fairfax County ARES for providing communications from the hospital to the disaster site. At approximately 1500, Marc WD4LWD, Fairfax Co. EC, was notified via his Fairfax hospital supplied pager that the Plan was being activated. Initial reports indicated that there were as many as 30 victims and that airlift as well as ground transportation would be required. KA4REI, N4DVO, and WB4WZZ were contacted by WD4LWD and responded immediately. After battling rush hour traffic, WD4LWD arrived at the hospital and began setting up a base station utilizing the two meter antenna permanently mounted on the roof. WD4LWD was then informed that the page was in error and that the disaster team was not going to be sent to the accident site. The operation was secured and although no communications were provided, the hospital officials were very pleased with the response by the Fairfax county ARES. A review of the External Disaster Plan revealed that there were no procedures to notify Fairfax Co. ARES when an operation is cancelled, and hospital officials agreed to add the appropriate procedures.

HALLOWEEN IN VIENNA

Halloween came to Vienna ARES members twice this year. In support of the Vienna Police Department, the Vienna Wireless Society Inc. ARES provided public service communications support for the annual Vienna Halloween Parade on October 30 and Spook Watch Safety Patrol throughout the town limits on October 31. The parade operation went smoothly with a moderate amount of traffic on the net under the direction of Art, N4JMJ/NCS. One lost child was reunited with his parents with the help of Amateur Radio. During the Spook Watch, the trick-or-treat activity was very light in most of Vienna probably due to the threatening weather and the fact that it was a school night. There was moderate activity in a few isolated parts of town. All tick-or-treaters were home by 2130 when the net, directed by Jeff, W4NFA, closed. Net control was conducted from the rig and antenna permanently located at the police station. The following hams participated ; Barbara N4HPY, Clarence N4ALM, Art, N4JMJ, Warren W4NWU, Gene N4JEE, John N4IXD, Dottie N4ISN, Barney WA4HIM, Marc Wd\$LWD, Ray K5RJ, and Bill K4ARU.

CHANGES IN MARYLAND

If you take a look at the ARES/RACES organization listing at the end of the Public Service Report, you will see that there have been some changes in Maryland. John, KJ3E, Maryland Section Manager informs me that the office of Maryland-DC District EC has been eliminated and that there are now vacancies for Charles County EC and for Md-DC Section EC. There are also vacancies for Arlington County and Loudon County EC's in NVA. If you are interested in one of these important and rewarding positions, contact one of the EC's listed for further information. Lets get those positions filled now before a winter weather emergency strikes.

Public Service Report welcomes our newest EC for Frederick County, Tony Curtis, K3RXK. You folks out there in Frederick Co., need to contact Tony and give him the support he needs. Public Service Report also bids farewell to Jack Renard, WA3ZCY, who tony is replacing.

FAIRFAX ARES HURRICANE ALERT

On the afternoon of October 26, Marc, WD4LWD (Fairfax Co EC) was placed on full alert by the County Red Cross disaster chairman who was preparing to open the Fairfax Chapter House as a shelter is necessary. Ben KC5CW and Glenn KA4REI responded with Marc. As it turned out, the Red Cross was never activated by County officials. While WD4LWD and KA4REI were checking out the generator and radio equipment at the Chapter House, WD4LWD was paged by Chief McClanahan of the Fairfax Fire Dept. Chief McClanahan was preparing to implement a zoned dispatching plan and requested amateur radio support. WD4LWD was to be notified and 0300 if the weather conditions indicated that the Plan would be activated. At 2000 it was decided to activate regardless of the weather conditions and Fairfax ARES was to

provide support from midnight until secured by the Fire Dept. The central dispatching operation at Oakton Fire Station was manned by WB4WZZ who acted as NCS. Foxmill Station was manned by KB4IEM, assisted by KA4VNM who helped set up the equipment and raise a temporary antenna. Edsel Rd. Station was manned by WB4EER and N4HAM. The NVFMA Tyson's Corner repeater (146.91) was used. The operation was secured at 0600. This is the first time that Fairfax County officials have requested Fairfax ARES support (on several occasions they have accepted assistance when it was offered, and indicates that the County is finally becoming aware of the resource that amateur radio represents. Chief McClanahan indicated that he was very pleased with the Fairfax ARES response and performance.

CLIFTON DAYS

On October 13, amateur radio provided communications services in support of organizers of the annual Clifton Days. Happily there were no injuries or medical emergencies, but the net was kept busy passing logistics and operations traffic for Officials. All participants enjoyed the beautiful day and the complementary BBQ lunch. The net was made up of W4PVA, K4FHK, KB4IKU, KA4RGQ, and N4BYF.

H Street PARADE

On September 21, local business and civic organizations sponsored a neighborhood Parade down H street in Washington, DC. Den N4RQG (EC for the District) was called upon to provide amateur radio communications for the parade. The two meter simplex net was in operation from 0900 until 1200 performing parade formation operations and relaying up to the minute information about the parade to the reviewing stand. N3CUY shadowed the parade coordinator and handled the operations traffic between the parade coordinator and the other positions.

The operation went smoothly and without incident. The following hams were involved; KM3T, AB3A, N3DYQ, WD4LWD, WB4WZZ, N3RQG, N3CUY, and KB3KH.

PUBLIC SERVICE CALENDAR

12/16/85 MEPSC meeting, 1915 local at DC Red Cross Chapter House Board Room

1/20/86 MEPSC meeting, 1915 local at DC Red Cross Chapter House Board Room

DC Fireman's Parade will be discussed in next month's Auto-Call.

National Capital Area Amateur Radio Emergency Service:

Va. Section EC: John Parker, WB4UHC (804) 898-7147
N.Va. District EC: Jim Wilson, K4BAV (703) 971-1127
Fairfax Co. EC: Marc Nachman, WD4LWD 644-0166
Vienna Asst. EC: Jeff Wilkes, W4NFA
& editor of 9809 Meadow Dale Ct.
Public Service Vienna, Va. 22180
Report: (703) 281-4249
Fairfax Asst. EC: Benn Kobb, KC5CW 352-7943
Mt. Vernon Asst. EC: Steve Schneider, WB4EER 683-6570
Alexandria EC: Andy Arnold, N4EBU 573-6044
Arlington Co. EC: VACANT
Prince William Co. EC: Harry Vorhauer, W4PVA 368-6050
Loudon Co. EC: VACANT

.....
Maryland-DC SEC: VACANT
Dist. of Columbia EC: Ken Williams, N3RQG 363-4234
Anne Arundel Co. EC: Kurt Fritsch, WA3TOY 768-7903
Baltimore EC: Cam Whetstone, WA3YDH 486-2609
Calvert Co. EC: Woody Schwartz, W3ZNW 535-1281

Charles Co. EC: VACANT
 Frederick Co. EC: Tony Curtis, K3RXK 845-6090
 Montgomery Co. EC: Al Taylor, KN3U 251-9464
 Prince Georges Co. EC: Gould Turney, KA3DUE 868-3374
 St. Mary's Co. EC: Robert Carter, WA5UNR 373-5183

NATIONAL CAPITAL AREA EMERGENCY AND TRAFFIC NETS

Daily:

1300 Local: Virginia Traffic Net: 7.26 SSB
 1800 Local: Maryland Emergency Phone Net: 3.920 SSB
 1800 Local: Virginia Sideband Net: 3.947 SSB
 1830 Local: Virginia Slow Net: 3.68 CW
 1900 Local: Virginia Net (early): 3.68 CW
 1900 Local: MD-DC Net: 3.643 CW
 1900 Local: Shenandoah Valley Emergency Net: 146.22/.82 FM
 1930 Local: MD Slow Net: 3.717 CW
 2200 Local: MD-DC Net: 3.643 CW
 2200 Local: Virginia Net (late): 3.68 CW
 2215 Local: Virginia Late Net: 3.947 SSB

Weekends & Holidays:

4-11-15 1100/1500: Chesapeake Bay Weather & Traffic Net: 147.705/.105 FM

Sundays:

2100 Local: Md-DC-NVa Regional EC Net: 146.91/31 FM

Mondays:

2000 Local: Woodbridge Wireless Net: 147.84/.24 FM

Tuesdays:

2000 Local: Mt. Vernon ARES Net: 146.055/.655

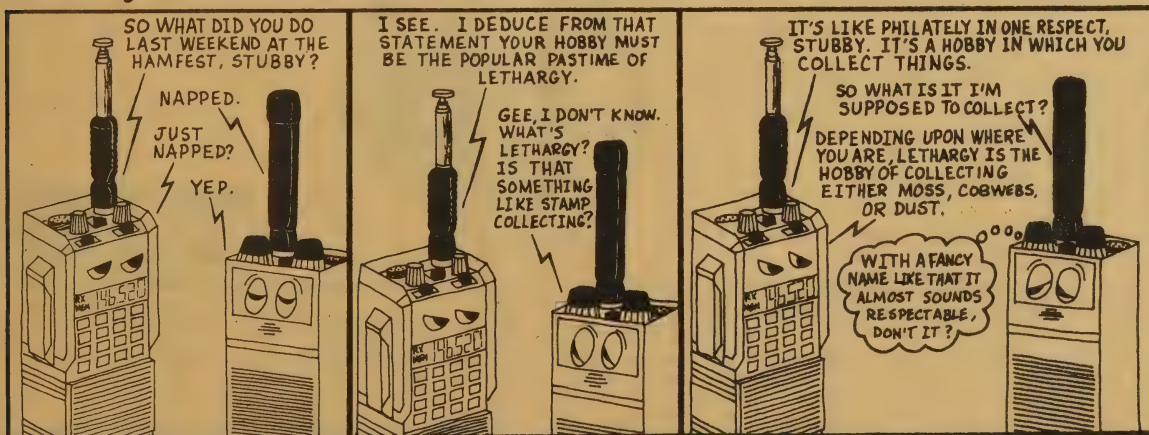
Wednesdays:

2000 Local: S. Maryland ARES Net: 147.75/.15 FM

Thursdays:

1930 Local: Vienna Wireless Society Emergency Net: 146.085/.685 FM
 2000 Local: Alexandria Radio Club Net: 147.915/.315 FM
 2000 Local: Arlington Co. ARES Net: 147.645/.045 FM
 2000 Local: Old Virginia Hams Net: 146.37/.97 FM

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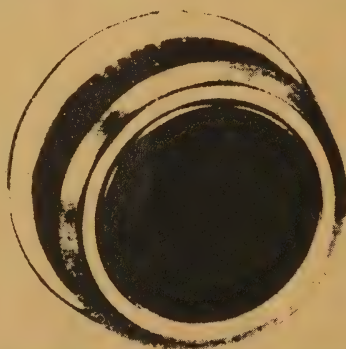


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FOUNDATION FOR AMATEUR RADIO
VOLUNTEER EXAMINER COOPERATIVE
BY

NANCY DRAHEIM NK4U
3513 OLD POST ROAD
FAIRFAX, VA 22030
703/691-0078

THE FCC HAS DELETED THE REQUIREMENT FOR A 30-DAY WAITING PERIOD BETWEEN AMATEUR RADIO EXAMINATIONS. THIS MEANS THAT, SHOULD AN APPLICANT FAIL AN EXAM, HE/SHE CAN RETAKE THE EXAM AT THE NEXT SCHEDULED EXAMINATION, EVEN IF IT IS THE NEXT DAY.

SCHEDULED CLASSES:

WOODBIDGE AMATEUR RADIO CLUB
NOVICE - BEGINS FEBRUARY 13TH
CONTACT TIM FARRELL, 703/696-4842 TO REGISTER

IF YOU KNOW A POTENTIAL NOVICE WHO IS LOOKING FOR SOMEONE TO ADMINISTER A NOVICE EXAM, PLEASE HAVE THEM CALL ME.

SCHEDULE OF EXAMINATIONS

DECEMBER 7, 1985

MONTGOMERY COLLEGE ARC/MONTGOMERY ARC/ROCK CREEK ARA (ARRL VEC)
REQUIREMENTS FOR APPOINTMENT (MUST BE RECEIVED BY NOVEMBER 6TH TO ASSURE A SEAT - LIMITED WALK-INS ACCEPTED)
\$4 CHECK MADE OUT TO ARRL/VEC
COMPLETED FCC FORM 610
COPY OF YOUR CURRENT AMATEUR RADIO LICENSE (BRING ORIGINAL)
SELF-ADDRESSED, STAMPED BUSINESS SIZE ENVELOPE
MAIL APPLICATION TO JOHN MULLER, 10204 GREENFIELD ST., KENSINGTON, MD 20895
301/564-0178

DECEMBER 12, 1985

BALTIMORE AMATEUR RADIO CLUB (TOWSON, MARYLAND) (LAUREL VEC) (WALK-IN)
PLACE: TOWSON PRESBYTERIAN CHURCH (6:30 P.M.)
REQUIREMENTS FOR APPOINTMENT:
FCC FORM 610
COPY OF PRESENT LICENSE (BRING ORIGINAL)
STAMPED, SELF-ADDRESSED, BUSINESS SIZE ENVELOPE

DECEMBER 14, 1985

PORTSMOUTH ARC/TIDEWATER ARA, PORTSMOUTH, VA (ARRL VEC)
REQUIREMENTS FOR APPOINTMENT (MUST BE RECEIVED BY NOVEMBER 14, 1985)*
SAME AS MONTGOMERY COLLEGE ARC (ABOVE)
MAIL APPLICATION TO GEORGE PARSONS, 4800 MANOR AVE, PORTSMOUTH, VA 23703

DECEMBER 15, 1985

BALTIMORE RADIO AMATEUR TV SOCIETY (LAUREL VEC) (WALKINS ACCEPTED)
REQUIREMENTS FOR APPOINTMENT
SAME AS BALTIMORE ARC (ABOVE)
MAIL APPLICATION TO GEORGE FREED, 12108 VELVET HILLS DR., OWINGS MILLS, MD 21117
(301/356-5588)

JANUARY 19, 1986

BALTIMORE RADIO AMATEUR TV SOCIETY (LAUREL VEC) (WALKINS ACCEPTED)
REQUIREMENTS FOR APPOINTMENT
SAME AS BALTIMORE ARC (ABOVE)
MAIL APPLICATION TO GEORGE FREED, 12108 VELVET HILLS DR., OWINGS MILLS, MD 21117
(301/356-5588) 19

1986 CHARGE FOR ARRL/VEC EXAMS

FCC announced on October 31 that effective January 1, 1986, the maximum allowable test fee will be \$4.29 for a Volunteer-Examiner-administered Amateur Radio examination. The ARRL/VEC will charge \$4.25 per candidate for tests taken in 1986 through Volunteer Examiner Teams working directly with the ARRL/VEC. The ARRL/VEC coordinates test sessions in all fifty states plus many locations overseas. Send an s.a.s.e. to Hq. for an updated printout of the test sessions in your area.

YOU CAN'T TAKE THE SAME TEST THE NEXT TIME

Effective November 8, FCC lifted Rule 97.26(h) requiring a candidate to wait thirty days before being retested on a failed exam element. The Commission now requires that a candidate being retested not take exactly the same test that was failed previously. FCC also directs that the VE Teams have the right not to retest anyone at the same session. Under the ARRL/VEC procedure, a candidate who fails may not be retested at the same test session. Once the candidate fails a written element, his or her participation at a session has ended. Subsequent retesting will occur only when the candidate submits a new Form 610 application and an additional test fee.

ARRL ON VEC MAINTENANCE OF EXAM QUESTION POOLS

If the Notice of Proposed Rulemaking in PR Docket 85-196 is adopted as proposed, Volunteer-Examiner Coordinators would be allowed to maintain their own question pools used to create examinations for amateur licenses. This maintenance is presently performed by the FCC, and VECs design written examinations by choosing questions from the FCC-issued pool.

ARRL adheres to the principle that the Commission, and not Volunteer-Examiner Coordinators, should retain responsibility for all Amateur Radio examination question pools. " . . . It appears that it was intended by Congress that the Commission should be the entity which is responsible for maintenance of the question pools. It is questionable whether the delegation of authority to maintain question pools — the most basic level of Commission supervision over examination quality — is statutorially permitted . . . as recently as July 20, 1984, the Commission specifically clarified

the rules to require 'that questions chosen for written examinations must be taken verbatim from FCC-approved lists.' Nothing has changed since then to moot that laudatory objective."

The opportunity for Commission review of questions submitted for inclusion in the question pool provides an undeniably beneficial filtering process for the varied type and quality of questions. Since FCC itself has stated that its maintenance of the pools is now mainly a custodial function, it cannot be argued that Commission maintenance of question pools is a significant regulatory burden. Assigning VECs the responsibility for maintaining question pools would be a step away from uniform standards and fairness; it would be a step toward allowing "shopping for the easiest examination."

The second proposal contained in the NPRM is the acceleration of the authority for Volunteer Examiners to design individual examinations for each examination element. While the preparation of individual examinations by VECs has worked out well, it is neither necessary nor desirable to permit individual examiners to prepare examinations from the question pools. If VEs are permitted to create the examinations, it would be possible for them to "teach to the test." VEs would not even have to divulge the contents of an upcoming examination — they would be authorized to create the same. VECs must erect a "Chinese Wall" between

trainer and examiner functions. This principle would be impossible to enforce at the local club level. The advantage of the present system is that no one in the field knows the contents of a particular examination until shortly before the test date.

There is no unreasonable delay in obtaining examinations; there is an ample number of VECs to create them from the question pool. Paperwork is already time-consuming for Volunteer Examiners. Asking them to prepare examinations on top of this is more of a burden than is advisable. Overall, the League adheres to the principle that VECs, but not VEs, should be authorized to prepare individual examinations from the Commission-maintained question pool.

November 7, 1985

Club Representatives To The Foundation For Amateur Radio

CLUB	NAME/CALL	PHONE
ALEXANDRIA RADIO CLUB	BUNN, RICK N4ASX	685-7765
ALEXANDRIA RADIO CLUB	NEY, FRANK KA3ALR	520-0233
AMRAD	PALA, BILL WB4NFB	323-8345
AMSAT	LAZZARO, BILL N2CF	(301)829-9607
ANNE ARUNDEL RADIO CLUB	MILLER, HOWARD KA3ERP	224-2092
ANTIETAM RADIO ASSOC.	BIGELOW, HERBERT W3AAA	(301)432-6772
ANTIETAM RADIO ASSOC.	HILL, DAN WB3JPZ	(717)762-6289
ARLINGTON ARC	KELLY, RANDY WB4MJF	521-1846
ARLINGTON ARC	MILLIGAN, ROBERT KI4MB	533-0650
BALTIMORE ARC, INC.	TRACEY, GLENN KC3EK	(301)744-0888
BOWIE ARC	CHESNEY, DICK WA3EUI	262-8635
BOWIE ARC	MARTIN, BURK WB3BVL	262-4921
BRATS	STERN, AL KB4FS	525-1269
BRATS	WALMSLY, HERU W3WVV	766-3545
CAPITAL CITY ARC	HEADLEY, FORREST N3AZF	582-2585
CAPITAL CITY ARC	WISEMAN, MALCOLM W3GVG	529-8760
CAPITAL HILL ARC	HUMPHREYS, JOE WA3TSP	224-5315
CAPITAL HILL ARC	WARD, RUSS KA3DAO	320-4183
CHAVERIM, INC.	FELDMAN, MARV WG4Q	642-0309
CHAVERIM, INC.	PRESSMAN, MARC N4DR	460-5108
COLUMBIA ARS	ANDERSON, DAVID WA3WZX	465-8557
COLUMBIA ARS	FIELD, JOSEPH WB3IDR	(301)730-6290
DEPT. OF STATE ARC	EATON, CONRAD	
DEPT. OF STATE ARC	MILLER, HERSH W3SWD	927-5837
FREDERICK ARC, INC.	HITE, CHUCK W3SOG	(301)428-0366
FRIENDSHIP ARC	BRIGGS, MAYNARD W3HWZ	465-0597
FRIENDSHIP ARC	BUSHEY, CLEO K3IYJ	789-2131
GODDARD ARC	MILLER, HENRY W3BWN	474-7376
GODDARD ARC	O'DONNELL, HUGH W3FUO	937-6605
GRN MT. REPEATER ASSOC.	MOLTRUP, GLENN W3BPA	277-1442
GRN MT. REPEATER ASSOC.	ROUSE, JOHN KA3DBN	262-7690
J. HOPKINS U. APL ARC	AMSLER, BEN KB3IW	871-6318
J. HOPKINS U. APL ARC	TYNAN, BILL W3XO	384-9138
LAUREL ARC	MOORE, JOHN KA4SWV	(301)498-8521
LAUREL ARC	MOORE, BOB N3CKD	(301)776-3571
MARYLAND FM ASSOC	ROBINSON, RALPH W3IOA	649-4308
MARYLAND FM ASSOC	RUSSO, PHILIP W3ELS	(301)441-1946
MARYLAND MOBILEERS ARC	DUNMORE, BEN WB3JHH	(301)772-5248
MARYLAND MOBILEERS ARC	MARCUS, BOB W3EEF	692-0856
MD EMERG. PHONE NET	OSBORNE, WALTER WA3IHW	229-0638
MD EMERG. PHONE NET	PRESSMAN, MARC N4DR	460-5108
MET. COMM. NETWK RC	HOEY, PHILLIP N3API	681-7006
MET. COMM. NETWK RC	SPORN, ROBERT WA3GGG	434-1719
METROVISION ATV CLUB	BRUNS, ED W3EKT	459-5325
METROVISION ATV CLUB	PHILLIPS, RUTH K3AGR	283-2747
MONTGOMERY ARC	MCDONNELL, BERNIE KB4HAR	540-9305
MONTGOMERY ARC	STOVALL, DAVE WB3LHB	424-0307
MT. VERNON ARC	MORRIS, MARY KB4IKM	820-3044
MT. VERNON ARC	SWEENEY, JOHN N6ANQ	360-3773

Club Representatives To The Foundation For Amateur Radio

NAT. CAP. DX ASSOC.	FRASER, LORENCE W3LMZ	585-6349
NAT. CAP. DX ASSOC.	HERMAN, HENRY W3UJ	299-6238
NAVAL RESEARCH LAB ARC	ARMSTRONG, BOB WA4SQL	767-2922
NAVAL RESEARCH LAB ARC	PHILLIPS, RUTH K3AGR	283-2747
NORTHERN VA FM ASSOC.	DRAHEIM, NANCY NK4U	691-0078
NORTHERN VA RADIO CLUB	CONE, BUD WA4FBG	
NORTHERN VA RADIO CLUB	SAGER, PHIL WB4FDT	734-2987
OLD VA HAMS ARC	STALDER, ED KC4YY	(703)754-2243
PATUXENT RADIO COMM SOC	DAVIS, JAMES WA3YQR	462-4399
PATUXENT RADIO COMM SOC	HUMPHREYS, JOE WA3TSP	224-5315
PENTAGON ARC	BEDELL, DONALD KA3BKU	577-3594
PG WIRELESS ASSOC. INC.	CARPENTRE, KAY WA3ZCE	779-8369
PG WIRELESS ASSOC. INC.	MOLTRUP, GLENN W3BPA	277-1442
POTOMAC AREA VHF SOC	GOLDMAN, JEFF K3DUA	948-7388
POTOMAC AREA VHF SOC.	LANHAM, G.W. WA3OYW	(301)948-5027
POTOMAC VALLEY ARC	HERMAN, HENRY W3UJ	299-6238
POTOMAC VALLEY ARC	MORSEBURG, CHARLES NR4L	697-8886
QCWA - BALTIMORE CHAP.	BRIGGS, MAYNARD W3HWZ	465-0597
QCWA - VIC CLARK CHAP.	MONTGOMERY, JOHN KB2IE	790-8436
QCWA - VIC CLARK CHAP.	GRENFELL, BILL W4GF	560-5229
QCWA - WASHINGTON CHAP.	KLINK, GRANVILLE W3AFV	
QCWA - WASHINGTON CHAP.	NEWMAN, SAM W3HN	588-9688
ROCK CREEK ARC	MORRISON, ED W3RY	966-4802
ROCK CREEK ARC	SMITH, NICK W3FNU	229-0677
SHENANDOAH VALLEY ARC	KANODE, JOHN N4MM	(703)837-1340
SHENANDOAH VALLEY ARC	TAYLER, FRANK KE4KF	(703)662-6499
SOUTHERN MARYLAND ARC	AKERS, IRENE W3RXJ	423-7138
SOUTHERN MARYLAND ARC	LASNER, BILL KA3MWL	599-6341
STERLING PARK ARC	MCKNIGHT, MEL WB4IEM	378-5059
T-MARC	HENDRICKSON, GARY W3DTN	569-7913
T-MARC	VAN ALLER, W. K3CZ	795-5124
TRI-COUNTY REPTR ASSOC.	CLARK, WILLIAM K3MHZ	588-3924
TRI-COUNTY REPTR ASSOC.	SCHOLTZ, WILLIAM W3HXF	521-0985
VIENNA WIRELESS SOCIETY	DRAHEIM, NANCY NK4U	691-0078
VIENNA WIRELESS SOCIETY	KINGMAN, JACK W4JT	273-1624
WASH. ADV. AR ASSN.	CHICKERING, CARROLL W3HHS	439-5260
WASH. ADV. AR ASSN.	MILLER, HENRY W3BWN	474-7376
WASHINGTON RADIO CLUB	KLICK, GRANVILLE W3AFV	
WASHINGTON RADIO CLUB	ZANDONINI, ELIZABETH W3CDQ	363-7400
WAYLARC	SMITH, ETHEL K4LMB	536-8469
WAYLARC	ZANDONINI, ELIZABETH W3CDQ	363-7400
WOODBIDGE WIRELESS INC.	SUTTON, BILL KB4NC	978-3190

Foundation For Amateur Radio, Inc.

MINUTES BOARD OF TRUSTEES MEETING OCTOBER 9, 1985

THE MEETING WAS CALLED TO ORDER AT 8:00 P.M. BY PRESIDENT CHRIS IMLAY, N3AKD, AT FAIRFAX HOSPITAL. THERE WERE 20 TRUSTEES AND 1 VISITOR PRESENT. THANKS WERE EXTENDED TO MARC NACHMAN, WD4LWD, OF THE NORTHERN VIRGINIA FM ASSOCIATION, FOR HIS ASSISTANCE IN OBTAINING FAIRFAX HOSPITAL AS A MEETING PLACE.

FOLLOWING INTRODUCTIONS, THE MINUTES WERE APPROVED AS PRESENTED.

HUGH TURNBULL, W3ABC, ATLANTIC DIVISION ARRL DIRECTOR AND CHAIRMAN OF THE FAR SCHOLARSHIP COMMITTEE, REPORTED ON PENDING ARRL AND FCC MATTERS AND NOTED THAT THE SCHOLARSHIP RECIPIENTS WOULD BE PRESENTED IN THE NEXT ISSUE OF AUTOCALL.

PHIL SAGER, WB4FDT, EDITOR OF AUTOCALL MAGAZINE, EXPLAINED A PROBLEM OF LATE DELIVERY IN THE MARYLAND AREA WHICH HE HOPED TO HAVE THE POST OFFICE RESOLVE SHORTLY. HE ALSO NOTED A PROBLEM WITH OLD CHECKS, EXPLAINED THAT THE HEAVY COVER FOR AUTOCALL WOULD REMAIN AND, FINALLY, THAT SUBSCRIPTIONS WERE INCREASING AT A STEADY PACE.

CHRIS IMLAY, N3AKD, MADE A BRIEF PRESENTATION ON THE PASSAGE OF PRB1 (PREEMPTION OF LOCAL ANTENNA ORDINANCES).

BOB MOORE, N3CKD, HAMFEST CHAIRMAN, PRESENTED A FINANCIAL REPORT FOR THE HAMFEST AND NOTED THAT THE PROFIT WAS JUST UNDER THAT OF PREVIOUS YEARS BECAUSE OF INCREASED COSTS AND THE WEATHER. A DISCUSSION WAS HELD CONCERNING THE ADVISABILITY OF HOLDING A RAFFLE VARIOUS TIMES DURING THE YEAR.

ETHEL SMITH, K4LMB, MADE A REPORT ON QCWA. SHE WAS THEN PRESENTED A PLAQUE HONORING HER FOR HER OUTSTANDING AND DEDICATED SERVICE TO THE FOUNDATION FOR AMATEUR RADIO.

JACK KINGMAN, W4JT, WARNED AMATEURS TO BE AWARE OF THE RENEWAL OF COVENANTS ON OLDER SUBDIVISIONS THAT NEW RESTRICTIONS WERE NOT ENTERED WHICH WOULD RESTRICT OUTSIDE ANTENNAS. HE RELATED A STORY IN HIS SUBDIVISION WHICH PROPOSED TO RESTRICT ANTENNAS AND HIS EFFORTS TO KEEP THIS ORDINANCE FROM BEING ADOPTED.

IT WAS NOTED THAT THE TREASURER WOULD NOT BE RUNNING FOR REELECTION AND TRUSTEES WERE URGED TO HELP RECRUIT A QUALIFIED CANDIDATE.

IT WAS NOTED THAT THE WIDOW'S ASSISTANCE COMMITTEE HAD A DONATED KENWOOD 820 FOR SALE. CONTACT CHRIS IMLAY FOR FURTHER INFORMATION ON THIS PIECE OF EQUIPMENT.

IT WAS NOTED THAT THE PENINSULA OPERATORS SOCIETY, SALISBURY, MD., HAD BEEN CONTACTED AND QUESTIONED ABOUT REPRESENTATION AT MEETINGS SHOULD THAT CLUB BE ADMITTED INTO FAR MEMBERSHIP; HOWEVER, NO ANSWER HAS BEEN RECEIVED.

IRENE AKERS, W3RXJ, RECORDING SECRETARY, NOTED THAT SHE HAS WRITTEN A LETTER OF THANKS TO THE BALTIMORE ARC WHO HAS DONATED THE PA SYSTEM FOR THE BINGO GAMES AT THE GAITHERSBURG HAMFEST.

A BRIEF DISCUSSION WAS HELD CONCERNING THE AMATEUR RADIO PARTICIPATION IN THE MEXICAN EARTHQUAKE DISASTER. (continued next page)

CHRIS IMLAY NOTED THAT AN ARTICLE ON LIZ ZANDONINI, W3CDQ, HAD APPEARED IN WORLD RADIO MAGAZINE.

A MOTION WAS MADE, SECONDED AND CARRIED THAT THE FOUNDATION FORM A SPEAKERS BUREAU AS A STANDING COMMITTEE WHICH WOULD BE CHARGED WITH THE RESPONSIBILITY OF DEVELOPING A LIST OF SPEAKERS ON AMATEUR RADIO FOR VARIOUS ORGANIZATIONS, I.E., AMATEUR CLUBS, SCOUT GROUPS, ETC.

THE MEETING ADJOURNED AT 9:25 P.M.

THE NEXT MEETING WILL BE ON NOVEMBER 13TH, COMMENCING AT 8 P.M. ALL MEETINGS ARE OPEN AND ANY INTERESTED PERSONS ARE URGED TO ATTEND. FOR FURTHER INFORMATION, CALL THE SECRETARY AT 691-0078 OR CONTACT YOUR CLUB TRUSTEE.

RESPECTFULLY SUBMITTED,
NANCY DRAHEIM NK4U
SECRETARY

Laurel Amateur Radio Club

P O BOX 91; ANNAPOLIS JUNCTION, MD. 20701

MEETINGS: SECOND WEDNESDAY, 2000 LOCAL, INFORMAL MEETING
FOURTH WEDNESDAY, 2000 LOCAL, CAPITOL TECH, BUS. MTG
OTHER WEDNESDAYS, 2030 LOCAL, 147.54 MHZ

On October 27 the LARC operated a special event station from the Montpelier Cultural Arts Center in South Laurel. 224 contacts were made on 2, 20, 40, and 75 meters. 41 states and several Canadian provinces were logged, much to the delight of about 400 visitors to the site. The Art Center was celebrating the sixth anniversary of the restoration of the "barn" on historic Montpelier Mansion.

The LARC has probably finally solved the FIELD DAY antenna problem. KD3S has a small crossbow with a spinning reel slung underneath. This was used very successfully to launch the antennas for the special event activity (about forty feet at each end). Why did it take seven years to reinvent this wheel?

Elections were held during the October meeting, and the following slate was elected: Pud Reaver (W3DQI) President; John Albertine (W3GFS) VP; Frank Treadwell (K3LDE) Secretary; Bob Moore (N3CKD) Treasurer; Bill Beckelheimer (K8BHRD) Member at Large. Outgoing president Howard Lehnert (K3IOG) expressed his appreciation for the good work and cooperation he had received during his previous two tours as LARC president.

KA4SWV is active on packet, and KD3S will soon join him there. Several LARCs are going to West, by God, Virginia for the Phone Sweepstakes in November. Look for KQ3S handing out some rare counties before the SS. As soon as SS is over, KQ3S will be going to Antigua to operate in the CQ Worldwide CW contest....invitation only. Good Luck, Jim.

73's.....Pud, W3DQI

Goddard Amateur Radio Club

MEETINGS: THIRD WEDNESDAY OF EVERY MONTH AT 5PM IN ROOM N13 OF BUILDING 12, GODDARD SPACE FLIGHT CENTER.
TWO METER NET: EVERY NON-MEETING WEDNESDAY NIGHT AT 8 PM ON THE AMSAT/GARC REPEATER 146.235/835.
OPEN-HOUSE: FIRST WEDNESDAY OF EACH MONTH AT THE GARC STATION, WA3NAN, AT 6:30 PM.
FOR FURTHER INFO CONTACT: FRANK KA3HDO, RICK NE2J, OR DAN KA3IIL

Alot of planning is in progress for the Goddard Amateur Radio Club Swap meet and mini-fest to be held Sunday, January 26, 1986 at the Goddard Recreation Center off Soil Conservation Road in Greenbelt. The Center entrance is opposite the NASA Goddard Visitor Center. Doors open at 8AM and remain open till 4 pm. Admission is a mere \$3.00. Tailgating will be available in the Rec Center lot for \$5.00 and a limited number of indoor tables will be available in the heated rec center for \$7.00 (admission required). XYLs and children accompanied by a paid admission will be free, as always.

There will be door prizes this year. Interested amateur dealers contact Frank Bauer (577-0271) for important dealer info and rates. We will have a great food service available.

REMEMBER THE DATE--SUNDAY, JANUARY 26, 1986 FOR THE GODDARD ARC mini-FEST. All proceeds to maintain our space shuttle retransmission operation.

WANTED: RELIABLE SHUTTLE OPERATORS: We are in need of a few good reliable good men and women for our space shuttle retransmissions. Needed are a valid amateur Advanced or Extra class license and a desire to serve the ham community. Contact Frank Bauer at the Club for information.

Other happenings around the Club include the repeater move and improvements (our new repeater antenna is slated to arrive November 11) and planning for a shuttle amateur packet experiment headed by none other than our Tom Clark, W3IWI. The club had alot of participation in amateur emergency communications for both the Mexico City earthquake disaster and Hurricane Gloria.

Hope to see you all at the GARC Swap Meet.

73, NE2J

Washington Adventist Amateur Radio Association

After a summer full of parades, HAMfests, races and vacations, it was good to get back to our regular meeting again.

Eric Engen, KC3PL, our president, started off a new year of meetings with his welcome to the members and also to the visitors we had for our Open House. We were then introduced to Bob Moore, N3CKD, Chairman of the Gaithersburg hamfest. Bob thanked us for our help at the Hamfest and gave us a report. He also provided us with information on the Foundation for Amateur Radio. Thanks, Bob, for a very nice presentation. Since Ed Peterson, K3LJP, was unable to be present for his part in the meeting, he arranged for us to see the newly released video on the North American Pathfinder Camporee at Camp Hale, Colorado. From the looks of the video, and the reports from Henry Miller, W3BWN, if you missed it, "YOU MISSED IT"! During the time they were there, volunteer HAMS passed more than 2400 pieces of traffic. Well, after all this excitement we had our treasurer David Scearce, KA3NKC, report on the funds in the till, and then we had refreshments and a tour of the club shack for our visitors.

Henry, W3BWN, has started another novice class and WOW! What a response!! Between 25 and 30 prospective HAMS are listening to him expound his knowledge every Tuesday evening. Keep up the good work Henry.

As the new scribe for the Washington Adventist Amateur Radio Association, I would like to invite everyone to our meetings, and any appropriately licensed amateur radio operator to check in to our net.

73's and may God Bless.

Mike Moulder, KA3MSR

Rock Creek Amateur Radio Association



Due to the proximity of the Holidays there will be no Club meeting in the month of December. Next meeting in January 1986 on the third Friday of the month.

Montgomery County Rec. Dept will be sponsoring Amateur Radio Classes Novice through Extra commencing in January. Please call 468-4050 for details.

Guest speaker at our October meeting was Dick Robinson, K4EIH of EEB in Vienna. He presented an illustrated talk about his participation in a DXpedition to Belize (formerly British Honduras) on a "CQ Worldwide Phone Contest". His presentation was informative, enjoyable, and well received by the members attending.

Welcomed to the Club as new members are: Rino DiMasso WB3BXT, Joseph F.C. Foster, KA3NWC, and Mike Salapka KA3NXD. We wish you well. Club support is available if and when you need it.

Vy 73, Walt AK3B

National Capitol DX Association

The NCDXA annual election of Officers was held at a regular club meeting, on October 19th at the S. & W. Cafeteria, Falls Church, Va. With twenty members present, the following Officers were elected unanimously:

President: Stu Meyer, W2GHK
Vice President, Dave Hammond, WC4B
Treasurer, Henry Herman, W3UJ
Secretary, Bob Chapman, WB4FTU

NCDXA will probably host a hospitality suite at Stouffer's Hotel during next year's Dayton Hamvention. Confirmation of the room reservation is expected soon.

"DXPO 86" plans are coming along smoothly, under the leadership of Stu Meyer. All "DXPO 84" attendees who have not changed QTH's will automatically receive invitations for the mid-October, 1986 event. If in doubt, call Stu at 281-3806 (home) or 525-6286 (office) to make sure you are on the list. Watch for more program details early in '86.

The next NCDXA meeting and Christmas party is set for December 14th, at the Anchor Inn, Wheaton, Maryland; Cocktails at 5:00 p.m. meeting (?) at 6:00, and dinner at 7:00 pm. As always, guests are welcome.

Vy 73, Jeff Hutchinson, W4PBC

Frederick Amateur Radio Club

** ** ** ** **

Incorporation of the Frederick Club is in process and should be accomplished soon.

Exterior identification for the Club Communications Van has not yet been completed and applied. Layout and construction of the interior furnishings, antenna design and mounting, selection of electronic equipment and its installation, and the inevitable debugging of the system are time consuming tasks. They will keep our members who volunteer to help very busy for a while. We hope they can be finished before bad weather makes the job difficult.

The fall Novice class held its first session September 30th with a registration of eighteen. If we can keep interest high in the course, most, if not all should become active members of the amateur radio service early in 1986. We hope to assign at least one club member to each new licensee to assist and encourage assembly of a rig to make the FIRST CONTACT. Most Novices who fail to stay in the hobby do so in the first year and almost always it is because they did not experience the thrill and excitement of their first radio contact. Questions which older licensees think are easily solved can loom big in the minds of new hams.

Having someone to turn to for answers can make the difference between a success and loss of a newly licensed amateur. The Club is inviting members and friends contributions of suitable pieces of radio equipment they no longer want, to be used as LOANER rigs for new amateurs who do not yet have their own when they receive their Novice ticket.

The Frederick VEC conducted examinations for all classes of license November 9th in the Frederick Communication Center. Results will be included in a future column as they become available.

During the earthquake emergency in Mexico City, Health and Welfare traffic was handled by at least two club members, Doc KA3KZH and Chuck W3SOG. Chuck has been active in traffic handling for many years.. He received a Citation for his work during Hurricane David for his work as Emergency Net Control Station handling traffic into and out of Dominica, and Santo Domingo, Dominican Republic. David flattened the island of Dominica and roared across the Dominican Republic and Haiti devastating cities and crops and raking the islands with floods and destructive winds a few years ago.

Rolan, AA3G recently designed and built audio gear for use in club code instruction and in VEC examinations. It consists of multiple station units each of which provides for headphone reception of code. Each user has an individual gain control allowing adjustment to comfortable listening level. The system is designed to be easily expandable to as many stations as needed by simply plugging each additional unit into the last one in line.

Miniature stereo headphones were modified by series wiring them. The resulting increased impedance works very nicely. A small tape recorder is included to drive the system. The entire outfit is packaged in a nice portable carrying case. The elimination of high noise levels in testing locations is not always possible. Providing headphones offers a more comfortable situation in which concentrate. Certainly that is not an unfair advantage to offer prospective amateurs. It is a good idea and a job well done.

continued next page 27

Tony, K3RXK is heading a group whose assignment is to promote the use of our communication skills by organizations during public events in Frederick county. The group will approach local agencies, civic associations and others to introduce ourselves, acquaint them with our service capabilities and on occasion demonstrate it and invite them to call on us when needed. Our new and attractive Communications Mobile unit can play an important part in making the public aware of our service wherever it appears.

Four more new members were accepted by our club at our October meeting. They will have no trouble finding a job in our activities they will enjoy doing.

73,

Chuck, W3SOG

WASHINGTON ADVENTIST AMATEUR RADIO ASSOCIATION

MEETING: The last Sunday of every month (Sept.-May) at 4:00PM.

NET: Every Sunday at 8:30PM on the Green Mountain Repeater Assoc. repeater 146.28/88.

INFORMATION: Henry Miller, W3BWN, 474-7376.

Fall is upon us. The leaves are falling, the air is nippy, and the nights are longer. That means more time on the airwaves!!!

Henry Miller's, W3BWN, novice class is still going strong with about 25 future radio operators every Tuesday evening. This past Saturday evening there was a nice potluck fellowship in their honor. Boy! was the food good. Thanks to Ed Peterson, K3LJP, for his words of encouragement and support to the class.

October's meeting was very interesting and informative. Al Taylor, KN3U, from the Montgomery County ARES/RACES organization talked to us about emergency communications. He also brought along their Emergency Communications van for us to see and explained its role in the event of an emergency. Al also told us that the ARES/RACES organization stays ready and able to handle crisis situations by having drills and exercises. They also participate in civic activities throughout the Metropolitan area. Thank you, Al, for an enjoyable and informative presentation.

Art Bergman, N3EKC, has his new tower and beam up for those long calls to Africa to his son Erik, 3D6BD. I'm sure the help of Charlie Martin, WB3AHU, and Henry Miller, W3BWN, was greatly appreciated. Keep practicing that code Art.

Please note the times for our meetings and our weekly net and feel free to join us.



Washington Area Young Ladies Amateur Radio Club (WAYLARC)



AFFILIATED

Organized 1956



AFFILIATED

Washington Area Young Ladies Amateur Radio Club (WAYLARC) will have its annual Christmas party on Sunday, December 1, 1985. This will be our last gethering until spring.

Ethel, K4LMB, is now Vice President of the Quarter Century Wireless Association. Congratulations! At the October meeting of the Foundation for Amateur Radio, Ethel was presented a plaque for outstanding and dedicated service to the Foundation. Liz, W3CDQ, and Irene, W3RXJ, also received similar plaques at the July meeting of the Foundation. Peg, W3HSS, is recovering from a bone fracture in her foot. Barbara, SP2FF, who was in the United States for the YLRL convention, made it back home to Poland after an enjoyable visit. A letter from Christa, DJ1TE, our adoptee, indicates all is OK with her family. Christa is active on 20 meters and the YL contests, etc.

The Young Ladies Radio League (YLRL) is planning a mini-convention and latest info is it will be held April 10-12, 1987 at Hershey, Pennsylvania. More later when we have additional information. HAPPY HOLIDAYS to all.

Irene, W3RXJ

SEE BELOW

I LIKE AMATEUR RADIO

Composed by: Joy, VK2EBX

I like Amateur radio,
I think that it's fine
That I'll still be a "YL"
If I live to ninety-nine.
I like amateur radio,
And getting on the air,
Making friends around the world
And contacts everywhere.
You can talk to Lapps in Lapland,
Nepalese in Katmandu,
Malays in Kuala Lumpar,
Or Peruvians in Peru.
You can talk to dukes and dustmen,
Or communicate in Morse,
Experiment with A.T.V.
And RTTY of course.
Put together bits and pieces,
(Though at first the prospect balks!)
A diode here, condenser there,
And - listen to that - it talks!

Experiment with aerials,
It looks real good on paper;
But getting that lot in the air
Is quite another caper!
You can enter in a contest,
Gather points for an award,
Join a DX net, or "ragchew",
One thing's sure, you're never bored.
Yes, I like amateur radio,
And all the friendly sounds
Removed from all the trouble and strife
With which this world abounds.
It's a satisfying hobby,
It will certainly do me,
'Till they write beside my name the words
"Became a silent key".

Australian Ladies' Amateur Radio Association (ALARA) celebrated its 10th Birthday this year. The poem was in one of their newsletters and we thought everyone would enjoy reading Joy's poetry.

Metropolitan Communications Network Radio Club

MEETINGS: QUARTERLY, ON THE SECOND SUNDAY OF THE MONTH: PLACE TO BE ANNOUNCED.
REPEATER: WB3DBU/R, 52.250 MHz IN; 53.250 MHz OUT. ACCESSIBLE ON 147.555 MHz in SIMPLEX MODE.
ON THE AIR: SATURDAYS, AT 1900 HOURS.
MAILING: C/O BOB SPORN, WA3GGO, 9927 COTTRELL TERR., SILVER SPG. MD 20903
INFORMATION: BOB SPORN, 434-1719.

Election of officers will be held at the Sunday, December 8th meeting at the home QTH of Phil Hoey, N3API. Announcements and directions will be mailed to members and friends, as well as a list of candidates. Again, we remind you of our annual Xmas net to be held Wednesday the 25th of December at 10:00 AM on 50.4 Mhz (am).

The Sunday morning Coffee net (6 meters AM) on 50.4 Mhz Sundays at 09:00 hours

Duane Wahl, WA3PGA has been faithfully continuing as Net Control. From Ellicott City to Huntington, Md and across the Potomac into Springfield, Virginia, our net has been expanding. If you have 6 meter AM capabilities, fire up the old rig one of these Sundays and get ready to join us on Xmas day.

MARYLAND SIX METER FREE STATE SIDEBAND NET. SUNDAYS AT 1900 hours on 50.125 Mhz

A quick look at our membership roster shows that we have twice as many holding Advanced tickets as those holding Generals. We forgot to mention in our previous report that Tommy Noeman, Ka3MKC as well as Frank Hipsley, WA3ZAR, played in furnishing communications in the National disaster medical system test. Tommy with the video monitors. Phil Russo's "Earthquake Notes" on page 21 of the October issue of AutoCall mentioned the role that our club member, David Wharton, K3STM, played in furnishing communications during that trying period. Dick Logan, WB3EPX still supplies us with Bulletins with the participation of C.J. (arch) Arcilesi, K3WUR, from time to time. We have a varied group in 6 meter sideband] occasionally getting some DX participation. In shack or mobile, via one of the various modes, join us on any of the above modes.

Bob WA3GGO.

Chaverim of the Greater Washington Area, Inc.



MEETINGS: THE FIRST SUNDAY OF EVEN NUMBERED MONTHS, AT 7:30 PM, AT THE JEWISH COMMUNITY CENTER OF GREATER WASHINGTON, 6125 MONTROSE RD, ROCKVILLE, MD.
ON THE AIR: THE FIRST SUNDAY OF ODD NUMBERED MONTHS, ON THE ROCK CREEK REPEATER, 7:30 PM, 145.25 MHz RECEIVE, 144.65 MHz TRANSMIT.

The licensing classes that we ran last summer resulted in the licensing of over a dozen of those participating, and nearly all of these new licensees have joined our club! Come and cheer them on at our meetings, and give them the benefits of your ham experiences and generally welcome them to amateur radio and to Chaverim.

Phil Russo, W3ELS, a vice-president of the Foundation for Amateur Radio (FAR) is a new Chavarim member. Our featured speaker in November was Norm Jeweler, K3LYW. Norm is an expert in the field of antenna mounting, towers, rotators, feedlines and more. His talk on the care and feeding of antennas, towers, etc is a must talk for all amateurs interested in antennas. Over 50 members were present at our November meeting.

The club is looking for members who wish to operate our club station at the Jewish Community Center in Rockville weekday evenings. If interested contact Dave Wharton, K3STM.

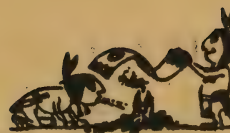
Many thanks to Marc, N4DR, who continues to conduct phone patches into the States for many Israeli amateurs.

1986 Dues are now due and payable. They are only \$10.00 per family and are tax deductible. Please send them to Sam K3CAV, or to Ted Yaffe, KB3QK, 11 Brookcrest Ct. Potomac, Md 20854.

Our December meeting will feature a Chanukka party . Date not yet decided.

73 Phil WB4FDT

Vienna Wireless Society



VIENNA WIRELESS SOCIETY
PO BOX 418, VIENNA, VA. 22180

EMERGENCY NET MEETS EVERY THURSDAY AT 7:30 PM ON CLUB REPEATER
K4HTA, 146.085/146.685.

MEETINGS: SECOND AND FOURTH FRIDAYS EXCEPT FOR WINTER HOLIDAY
MONTHS. THE VWS MEETS ON THE SECOND FLOOR OF THE VIENNA COMMUNITY
CENTER, 120 CHERRY STREET. VISITORS ARE WELCOME. MEETING STARTS
AT 7:30 PM.

THREE ELECTED TO BOARD, NEW OFFICERS CHOSEN

Three VWS members were elected to two-year terms on the board of directors at the Oct. 11, meeting. Clarence Holland, N4ALM, and Bernard Novean, WA4HIM, returned to the board seats they already held and Dave French, N4KET, was elected a new board member. Jim Dickson, WI4A, and Earl Hohbein, N4FSW, are continuing board members whose terms expire in Dec. '86. Leaving the board is immediate past president Barbara Holland, N4HPY.

New officers were installed at the Nov. 8, meeting. Dave French, N4KET, is president, Clarence Holland, N4ALM, vice president, Bill Mills, KC5PF, secretary and the treasurer is Gene Jenkins, N4JEE.

REPEATER ACHIEVES NEW HEIGHTS

Under the inventive (and persuasive) leadership of club repeater engineer Barney Novean, the VWS repeater antenna adjacent to the American Legion Hall is now 64 feet in the air looking DOWN on the trees! Early reports indicate most regular users note a significant improvement in signal quality and strength. This should make the club's roster of public service events an even more pleasant duty. The story of the tower's rise was captured in color pictures. But neither pictures nor words can express adequate gratitude to Barney for a job well done. Among his achievements was a giant hole in the ground which was filled with concrete at no cost to the club. Sometimes you don't ask questions, hi.

MEETING REMINDER

There will be just one VWS meeting in Dec. because of the holidays. The meeting is Dec. 13, at the usual time and place.

WINTERFEST ON TRACK

1986 Winterfest chairman John Arnold, N4IXD, reports that plans for the area's only mid-winter hamfest are going well and table sales are brisk. Winterfest will be held Feb. 23, at the Vienna Community Center. Admission is \$4 per person at the gate.

73/ Dave, N4KET

GODDARD AMATEUR RADIO CLUB

SWAP MEET

SUNDAY JANUARY 26, 1986, 8:00 AM TO 4:00 PM

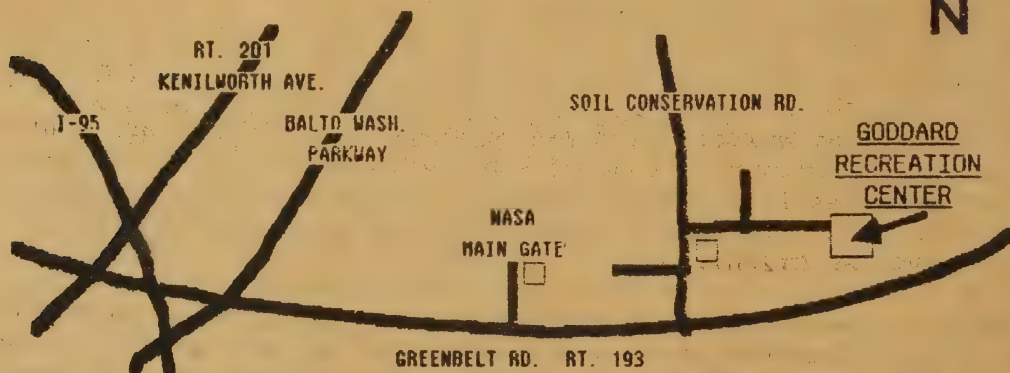
BEING HELD AT

THE GODDARD REC. CENTER

COME BUY OR SELL YOUR
HAM EQUIPMENT
COMPUTER EQUIPMENT
PARTS AND SUPPLIES

FOR MORE INFORMATION
CALL FRANK KA3HDO
(301) 577-0271

TALKIN: WA3NAN
146.235/146.835
146.52



THERE WILL BE DOOR PRIZES

ADMISSION: \$3.00 (XYL'S AND CHILDREN FREE)

TAILGATING: \$5.00

INDOOR TABLE: \$7.00 (LIMITED NUMBER)

FOOD AND REFRESHMENTS AVAILABLE

Potomac Valley Radio Club

President

David R. Siddall, K3ZJ
(703) 938-1495

Vice President

Thomas J. Abernathy, WA3TAI
(301) 292-6263

Secretary

Mike Colesante, KC8C
(703) 370-4261

Treasurer

Alfred A. Laun, III, K3ZO
(301) 899-1235

Next Meeting: December 12, 1985 (Thursday)
Annual Christmas Dinner, at Brooke Manor
Country Club. Reservations by Dec. 4 to
K3ZJ; Info from any club officer.

The Potomac Valley Radio Club (PVRC) is dedicated to furthering the sport of amateur radio contesting. PVRCers have built and operated some of the largest and best-equipped stations in the Washington area with which to pursue this interest, and often also are involved with other area amateur clubs and activities. For further information, contact any club officer, noted above.

The annual PVRC Christmas Dinner will be held on Thursday evening, December 12, at the Brooke Manor Country Club in Maryland. All active club members should have received a reservation form in the mail. Others desiring to attend should contact any club officer before December 4th. Guest speaker for the evening is John Johnston, W3BE, Chief of the FCC's Personal Radio Branch. Of particular interest to the PVRC is that before coming to Washington to oversee amateur regulatory matters John was an active contester and served as President of the PVRC's rival, Frankford Radio Club.

As this is being written CQ Magazine's annual worldwide SSB contest has just ended. It appears that the W3LPL station captured second place for the United States in the multi-operator, multi-station category. Congrats to Frank and his crew: AI3M, KA1GD, K3DI, KM3T, W3MR, KC8C, KX3Q, KF3P, K1RZ (ex-CT2FH), & KK1Z.

Although scores are incomplete, it appears that a number of PVRCers did very well in their selected categories. Jeff, N8II, reports a phenomenal 1600 QSOs on 15 meters single band, single operator category. K3RV reports an equally astonishing 1850 QSOs (from W4QAW's) in the 20 meter single band, single operator category. And three operators amassed between 1850 and 1900 QSOs in the highly contentious multi-band, single operator category. Believed on top in the multiplier count is KØDQ operating W3GRF, with approximately 2.6 million points. Fred, K3ZO, was close behind at 2.5 million, and Wayne, N2FB at his new home station ended up around 2.45 million. All scores are estimates and scores/places may change after final log duping is complete.

The October meeting was held at the QTH of Fred, K3ZO. The Club voted to sponsor a plaque in the ARRL DX contests in memory of its recently departed member, Tom Peruzzi, W4BVV. Tom for many years maintained a large multi-operator multi-band station in northern Virginia and many of the club's members have either operated at his station or benefitted from his advice and assistance. He will sorely be missed by all.

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XF8.2HC 600 Hz CW Filter
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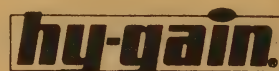
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275 Crystal Calibrator
223 Noise Blanker
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A14-2 2 E1 20m Beam
AMS-222 220 MHz Mag Mt Ant
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FA1 2m Duck
EX144 Fan Adaptor
EX182 LDA-1 Interface adaptor
for 720
CF1 Fan
MB3 Mobile Bracket
3PS Power Supply
AH-1 Mobile Antenna
PS20 Power Supply
EX205 Transverter for 730
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208 8e1 2m Beam
239 3 e1 10m Beam
184 Roof Mt Radial Kit
229 Lightning Arrestor
251 2m Trunk Mt Antenna
275 Rubber Duckie (PL-259)
269 Rubber Duckie (3/16-32)
CB12 Boom Mike Headset
HTC-2 Lightweight Headset
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ESTATE SALE: N4EHW Russell Latta. Data Precision model 258 True RMS/LCD 4 1/2 digital multimeter cost as new \$179.50. Make offer. Keyboard entry Digital-readout microprocessor scanner cat 20-112 from 30 Mhz to 512 Mhz, new cost \$279.50, make offer. Ramsey Electronics portable frequency counter CT-70, 7 digit 10hz-550 Mhz new cost \$119.50, make offer. Collins 516F-2 re power supply, relay modified, \$150.00. Collins 75S-3BWE, S/n 16K, \$275.00. Collins 75S-3B S/n 17K, covered filters \$300.00. Collins 32S-3, S/N 30K, \$350.00. Kenwood TS-520, 520 VFO, AT-200. Mic-50, like new \$500.00. Icom 215 with 2 microphones \$75.00. Collins CP-1 complete 126 xtals \$160.00. Individual xtals each \$5.00. D-104 mike like new with recoil cord and plug for collins or kenwood \$35.00. Drake low pass filter new \$12.00. Gordon balun 1 to 1, new \$12.00. Bird 2 kw dummy load \$125.00. Telrex DBM1015 (10 and 15 meters) with CDE model 45 rotator \$200.00. Cushcraft Ringo 2 meter \$35.00. Coax and rotator cable provided with antennas. Harry Kaklikian W4ACN, 4941 Andrea Ave, Annandale, Va 22003 (703) 978-4402.

For Sale: Heathkit HW-101, P/s, speaker, manual, just factory overhauled, mint, \$250.00 Andy, KV4S, (301) 654-6959.(chevy Chase)

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For Sale Hallicrafters FPM-300 Xcvr W/man and D-104 Mike. \$325.00. Sinclair ZX-81 with 16K RAM, modem RS232 module, CW interface, BBI control, module and software, make offer. Heathkit smart Thermostat, model NE-1210, \$30.00. Ron, KA4LQX Evenings (703) 560-1969.

FOR SALE--BEST OFFER FOR ALL. HAM MAGAZINES in excellent condition and in mag files. Ham Radio Horizons (complete publication) June 1978-Dec 1980, Ham Radio, Jan 1981-April 1985, CW, Feb 1977-April 1980, and QST, November 1976 to present. Call Joe 870-2029.

CLEANING SHACK--JUST IN TIME FOR CHRISTMAS! The following gear in excellent cond. with majuals. Crwon CTA-4100 telephone recorder with 9 msg tapes, \$25.00. Lafayette cassette tapedeck, \$25.00. Realistic lab 49 record changer \$35.00. Lab hifi turntable \$45.00. Heath IM-17 solid state VTVM \$25.00. Heath IM1202 digital VOM., \$35.00. Heath HRL680 ham receiver \$150.00 Heath HX-1681 transmitter w/ps \$180.00. Following with schematic only, BC-779 receiver with power supply (100Khz-20Mhz,) \$50.00. Collins 51J-4 receiver 1 KHZ filter (.5 mhz-30 Mhz \$100.00. Call Herb Ley, N3CDR, (301) 340-0484 days or write P.O. Box 2047, Rockville, Md 20852.

SHACK SALES

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TEST EQUIPMENT, meters, 3" scope, 12" B/W TV, CB w/mag mount, 1/4 and 1/3 h.p. motors, teletype, also misc items. All in good condition and good prices, or will swap for 2 meter hand-held Call after 10am 942-6266. Len K3ATA, Wheaton, Md.

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KENWOOD TR7600, two meter xcvr, mint condition. W3TMB, Andy, 301-530-3643.

WANTED: DRAKE4:1 Balun, Model B-1000, designed for use with MN4-C (MN-7) MN-2700 antenna tuners. Call Ray Lustig, KD3A, anytime, (202)337-4185

(Jan)

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FOR SALE: Mini-Quad \$65.00. 11element 2-meter beam \$35.00. Both \$100.00 Phil, W3ELS, (301)441-1946

Coming Events

1985 HAMFEST DATES

NOVEMBER 1985

- 2-3..... Ham Radio & Computer Expo '85, LAWRENCEVILLE, GA
 3..... Hamfest, CONCORD, NC
 23-24..... (Date Change) Hamfest, GREENSBORO, NC
 23-24..... Southnet II Packet Radio Conf., ATLANTA, GA

1986 HAMFEST/CONVENTION CALENDAR

Please note. Dates marked with an asterisk are NOT confirmed dates and are based on the same week as last year's show. Clubs and groups sponsoring hamfests are urged to contact the Journal Editor for confirmation of their show dates. Deadline for entry in February Repeater Journal is January 1, 1986. Deadline for Hamfest Advertising space reservations is December 20, 1985.

JANUARY 1986

- 11-12..... 7th Annual Hamfest, SARASOTA, FL
 12..... 9th Annual Frostfest, RICHMOND, VA

FEBRUARY 1986

- 1-2*..... Hamfest, MIAMI, FL
 16..... Winter Hamfest, ELKIN, NC
 23*..... Hamfest, FAYETTEVILLE, WV
 23*..... Winterfest, VIENNA, VA

MARCH 1986

- 7-9*..... Hamcation, ORLANDO, FL
 8*..... Hamfest, DALTON, GA
 8-9*..... Hamfest, LAFAYETTE, LA
 22-23..... Hamfest & Computerfaire, CHARLOTTE, NC
 22-23..... Hamfest, COLUMBUS, GA
 30*..... Hamfest, TIMONIUM, MD
 29-30*..... Hamfest, COLUMBUS, GA

APRIL 1986

- 6*..... Hamfest, KENNEHOOCHEE, GA
 13..... NC State ARRL Conv/Hamfest, RALEIGH, NC
 13*..... Hamfest, KENNESAW, GA
 25-27*..... Hamvention, DAYTON, OH

MAY 1986

- 3-4..... Hamfest, GREENVILLE, SC
 3-4*..... Hamfest, ALBANY, GA
 17-18*..... Hamfest, BIRMINGHAM, AL
 17-18*..... Hamfest, LAKE HARTWELL, GA
 24..... Durhamfest, DURHAM, NC
 25*..... Hamfest, ROANOKE, VA
 24-25..... Hamfest, KNOXVILLE, TN

JUNE 1986

- 1*..... Hamfest, HUMBOLT, TN
 1*..... Hamfest, MANASSAS, VA
 7-8*..... John Ross Hamfest, FT. OGLETHROPE, GA
 8*..... Hamfest, MUNCIE, IN

JULY 1986

- 5-6*..... Hamfestival, ATLANTA, GA
 5-6*..... WV Radio Council, Fest, JACKSONS MIL, WV
 12-13*..... Hamfest, CHARLESTON, SC
 19*..... Swapfest, CARY, NC
 20*..... TSRAC Hamfest, WHEELING, WV
 26-27*..... WCARS Hamfest, ASHEVILLE, NC
 27*..... BRATS Hamfest, W. FRIENDSHIP, MD

AUGUST 1986

- 2-3*..... Hamfest, JACKSONVILLE, FL
 3*..... Winchester Hamfest, BERRYVILLE, VA
 9*..... Jax Cty. Hamfest, COTTAGEVILLE, WV
 10*..... Hamfest, S. CHARLESTON, WV
 10*..... Hamfest, LEXINGTON, KY
 16-17*..... Hamfest, HUNTSVILLE, AL
 24..... ERARC Hamfest, BLUEFIELD, WV
 30-31*..... Hamfest, SHELBY, NC

SEPTEMBER 1986

- 6-7*..... Hamfest, MELBOURNE, FL
 13-14*..... Hamfest, MOBILE, AL

OCTOBER 1986

- 4-5..... Roanoke Div. ARRL Conv/Hamfest, VIRGINIA BEACH, VA
 4-5*..... Hamfest, LOUISVILLE, KY
 5*..... Hamfest, ROCK HILL, SC
 11-12*..... Central Ga. Hamfest, WARNER ROBBINS, GA
 12*..... 2nd Annual Techfest, RICHMOND, VA
 12*..... Hamfest, MAYSVILLE, NC
 18*..... Tri Cities Hamfest, GRAY, TN
 19*..... Hamfest, DUBLIN, VA
 25-26*..... Hamfest, CHATTANOOGA, TN

NOVEMBER 1986

- 1-2*..... Ham Radio & Computer Expo '86, LAWRENCEVILLE, GA
 2*..... Hamfest, CONCORD, NC
 28-29*..... Hamfest, GREENSBORO, NC

Evans M. Crush, WB4UOI

Evans M. Crush, WB4UOI, known to his many Amateur friends as "Mac" died Saturday, September 14th after a brief illness. Mac had been an officer and active in the Richmond (VA) ARC and the Virginia ARA.

He helped initiate the plans and arrangements for the original Metropolitan Repeater Association wide area 145.43 repeater and helped form the MRA. He worked actively in upgrading the Richmond ARC 34-94 repeater, and worked with the Red Cross in addition to operating a communications display from Kings Dominion this Summer. Evans had planned and arranged for the communications display and operation from the Virginia State Fair in September.

Crush was EC for Henrico County and had established an outstanding ARES organization. He was the head of the Old Dominion Chapter of 10-10 Net. He was the contact and coordinator for the VE program of Amateur exams given regularly at J. Sargeant Reynolds Community College in Richmond.

Mac wrote a guest editorial that appeared prominently on the editorial page of the Richmond News Leader on Amateur Radio and its activities. He also headed the Amateur classes in recent years at the Westhampton School in Richmond.

He was most active in all community and emergency projects. Mac will be greatly missed.

(Jim Fitzgerald, K4OJE)

TNC STATUS INDICATOR

The following is a review of the Heathkit HDA-4040-1 TNC Status Indicator. This accessory is designed for use with the Tuscon Amateur Packet Radio (TAPR) TNC-1, the Heathkit HD-4040 TNC and the AEA PKT-1 TNC (which are essentially the sam_unit and produced under licensing agreements with TAPR).

The TNC-1 comes equipped with a 6502 parallel users port (the AEA PKT-1 has the circuit on the PC board, but the owner must install the socket, DB25 jack and the chip). The original purpose of this output is to allow a sampling of link state information and as a diagnostic signal port for tracking down problems and verifying certain operations. While there has been some information available for using this port, there has been no equipment available commercially that uses this connection.

The Heathkit HDA-4040-1 TNC Status Indicator is connected to the parallel port and derives its power from the TNC through two of the wires in the ribbon cable/DB25. The link status is indicated on the front panel with eight labeled LEDs (Light Emitting Diodes). The two Green diodes indicate CMD: and Disconnected. This is handy if your TNC has been monitoring for a while and the screen alert has scrolled out of view. The two Red LEDs indicate CONNECTED and FRMR. The FRMR is a frame reject condition that should never occur between two TNCs using AX.25 protocol, but with a growing number of devices using X.25 and other protocols very similar to AX.25, this FRMR serves as a safeguard to alert the user to the presence of an incorrect protocol. The four Amber LEDs indicate 1- CONVER mode, 2- CONNECT ATTEMPT, 3- DISCONNECT IN PROGRESS, 4- transmit BUFFER active. The first of these just indicates that you are in the conversational mode rather than CMD:. The Connect Attempt and Disconnect in Progress are handy to tell what is going on when nothing seems to be happening. The Disconnect in Progress may also alert you that the link has been broken during a long automatic file transfer (and save those endless strings of unconnected packets). The BUFFER diode indicates that the transmit buffer is active and that one or more packets that have gone to the TNC have not yet been sent out (keeps you from executing a DISCONNECT before the end of a file has left your TNC).

The feature that makes the Status Indicator worth owning is an audible alarm that sounds whenever someone connects with your TNC. Since many operators leave their TNC on and monitoring while doing other things in the shack, there is a real need for an alert that another operator has connected with you. The Heath unit sounds a tone for 1 or 2 seconds to catch your attention. I've had this unit in use for two days and would not be without it just for that one feature.

The unit is a small 5X2 inch (front panel) in Heath's present brown color scheme. Construction is easy (a circuit board with plenty of room for a change) and should take no more than one short evening. The checkout requires no test equipment though Heath does give several resistance measurements that can be made before applying power for the first time. The manual and troubleshooting guide are typical Heathkit ie first rate documentation. Price: \$24.95 plus shipping from Heath Company, Benton Harbor, Michigan 49022.

73 and see you on Packet,
Gil Frey K4JST
Rt 1 Box 44
Charles City, Va 23030



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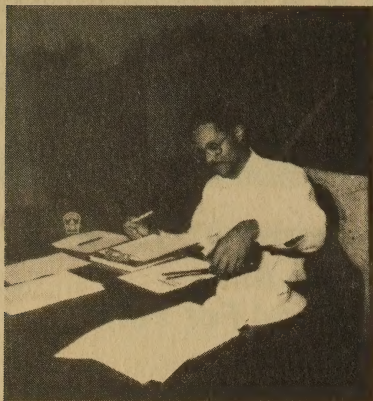
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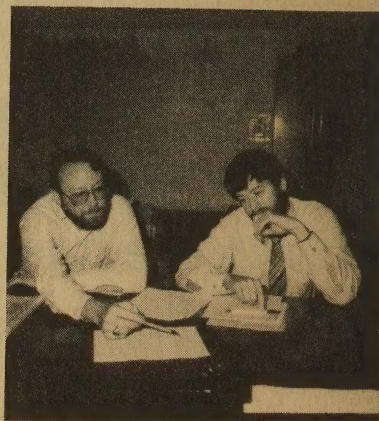
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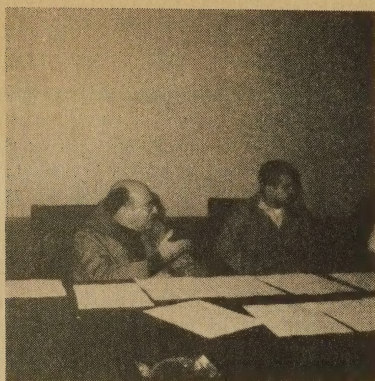
Some attendees at the Regional Emergency Roordinators meeting, October 21.
1985 (Tnx Jim Wilson, K4BAV)



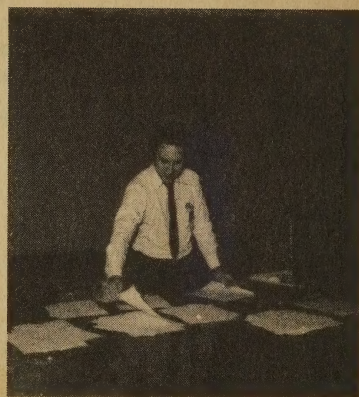
Ken Williams, N3AQG



Andy, N4EBU and Al
(No call yet)



Richard N5EV, and Carlos
KA3KIW



Ross Merlin, WA2WDT

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